

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	("(5721940594313758091674021777).pn.").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 09:39
L2	8	("5721940" "5943137" "5809167" "4021777").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 09:39
L4	2	("6192380").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 09:44
L5	2	("6651217").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 09:44
L6	2	("5367619").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 09:45
L7	2	("6112215").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 09:45
L8	2	("6504956").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 09:45

## EAST Search History

L9	25	(US-20020138512-\$).did. or (US-6539421-\$ or US-5363483-\$ or US-6208339-\$ or US-6341359-\$ or US-6247032-\$ or US-6002398-\$ or US-5583981-\$ or US-5414810-\$ or US-6589290-\$ or US-5956031-\$ or US-5950193-\$ or US-6295355-\$ or US-5668928-\$ or US-6829607-\$ or US-6084585-\$ or US-6658464-\$ or US-6272672-\$ or US-5619635-\$ or US-6192380-\$ or US-6112215-\$ or US-5943137-\$ or US-5809167-\$ or US-5721940-\$ or US-6504956-\$).did.	US-PGPUB; USPAT	OR	ON	2006/07/24 10:33
L10	4261	form\$1 & format\$4 & OCR & error	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:34
L11	1	9 & 10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:35
L12	470	(715/506-507).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/24 10:35
L13	6	12 & (time near6 keep\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:37
L14	0	12 & ((paid pay) near3 roll)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:37
L15	0	12 & (pay near3 roll)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:37

## EAST Search History

L16	639	Web near6 TA	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:40
L17	0	16 & kronos	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:39
L18	1212	kronos & form	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:38
L19	0	kronos & (timekeeping near6 form)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:38
L20	0	kronos & (time near3 keep\$4 near6 form)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:39
L21	15	kronos near6 form	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:38
L22	29	web & (time near3 keep\$4 near6 form)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:39
L23	9	16 & (time near6 keep\$)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:40

## EAST Search History

L24	1	16 & payroll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:41
L25	367	Web near6 (Time same Account\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:41
L26	6	25 & payroll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:42
L27	10	25 & (time near6 card) & employees	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:43
L28	21	web same (time near6 card) same employees	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:45
L29	433314	(employees same timekeeping) server	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:46
L30	433314	(employees same timekeeping) server	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:46
L31	0	(employees same timekeeping) same server	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:46

## EAST Search History

L32	6389	(employees same time keeping) same server	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:46
L33	19	(employees same time same keeping) same server	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:49
L34	409	(employees same time same keeping)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:49
L35	114	34 & ( user\$1 near6 interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:50
L36	28	("6658622" B1 "6651217" B1 "5977969" A "5950193" A "5583981" A "5495565" A "6578141" B2 "6341359" B1 "6338093" B1 "6314415" B1 "6272672" B1 "6263382" B1 "6192470" B1 "6002398" A "5956031" A "5870091" A "5736984" A "5668928" A "5619635" A "5561446" A "5414810" A "5363483" A "5307295" A "4899292" A "6026433" A "6088717" A "6247032" B1 "6658464" B2).pn.	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L37	1	("20020138512").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/24 10:50
L38	1	("6529948").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/24 10:50

## EAST Search History

L39	99	("5721813" "5640501" "5872555" "5821932" "6108631" "6589290" "5604516" "5668928" "6237004" "4926349" "5265246" "5307295" "5592945" "5685001" "5701499" "5721901" "5732384" "5892512" "5950193" "6081256" "6397378" "6401220" "6473707" "6084585" "5014328" "5014329" "5619635" "5444192" "5561446" "5561528" "5619708" "5627349" "6137488" "6314415" "6252588" "4612635" "5420974" "5502694" "5704029" "6121968" "5815152" "5592602" "5809471" "5963964" "5977969" "6025834" "6124855" "6133915" "6278450" "6272672" "4399503" "4433373" "4500964" "4553202" "4566078" "4615002" "4785408" "4864492" "5239617" "5255386" "5280610" "5287417" "5363483" "5404441" "5414810" "5428782" "5465358" "5524238" "5548759" "5564003" "5583981" "5600756" "5603021" "5606674" "5619710" "5636297" "5680560" "5694601" "5734597" "5736984" "5737535" "5761646" "5784504" "5803500" "5809502" "5812773" "5819089" "5842180" "5864863" "5890174" "5896530" "5913218" "5935251" "5956031" "6012086" "6021409" "6045098" "6061693" "6061693" "6067579").pn.	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L40	1	"5363483".pn.	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L41	11976	microsoft.as.	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L42	8	L41 & (autocomplete)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L43	7	L42 & form	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L44	10	microsoft.as. & autocomplet\$4	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L45	9	L44 & form	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L46	3	L45 & (dialog same box)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L47	9	L44 & form	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50

## EAST Search History

L48	0	("2004/0230987").URPN.	USPAT	OR	ON	2006/07/24 10:50
L49	11976	microsoft.as.	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L50	8	L49 & (autocomplete)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L51	1043	microsoft.as. & (dialog same box)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L52	91	L51 & (form same dynamic\$2)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L53	731469	"39" & complet\$4	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L54	19	L52 & (form same complet\$4)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L55	9	L54 & (form same auto\$7)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L56	18	L54 & (auto\$7)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L57	0	("2004/0230434").URPN.	USPAT	OR	ON	2006/07/24 10:50
L58	18	L56 & field\$1	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L59	3	L58 & partial	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L60	0	L58 & (auto same complet\$4)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L61	56	autocomplet\$4 & form\$1	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L62	7	L61 & (field\$1 same (dialog popup))	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L63	7	L62 & (field\$1)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L64	7	L63 & (dialog popup)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L65	5	L64 & auto	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L66	3	L65 & (field\$1 same dialog)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L67	2	L66 & (highlight\$3)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L68	0	L66 & (overlap\$3)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L69	0	L66 & (overlap\$3)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50

## EAST Search History

L70	1	L66 & (overlap\$4)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L71	12	L61 & (overlap\$4)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L72	0	L66 & (popup)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L73	1	L66 & (lay\$4)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L74	3	L66 & (over\$6)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L75	1	("6829707").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/24 10:50
L76	0	("insert\$4sameformat").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/24 10:50
L77	22698	insert\$4 same format	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L78	56	autocomplet\$4 & form\$1	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L79	7	L78 & (field\$1 same (dialog popup))	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L80	7	L79 & (field\$1)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L81	7	L80 & (dialog popup)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L82	5	L81 & auto	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L83	0	(L82 & (field\$1 same dialog)) & L77	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L84	5	L81 & auto	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L85	0	L82 & (insert\$4 same format)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L86	3	L82 & (format )	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L87	4	L82 & (insert\$4 )	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L88	10	"6589290"	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L89	4	L88 & (insert\$4 same format)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L90	56	autocomplet\$4 & form\$1	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50



## EAST Search History

L91	7	L90 & (field\$1 same (dialog popup))	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L92	10	"6589290"	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L93	4	L92 & (insert\$4 same format)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L94	11	L91 or L93	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L95	10	L94 & (display same (partial portion part))	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L96	8	L94 & (display same form)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L97	1	L94 & (double same click)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L98	9	L94 & ( click)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L99	2	((("6589290") or ("6088700") or ("6208339").pn.")).PN.	US-PGPUB; USPAT	OR	OFF	2006/07/24 10:50
L100	1	("6088700").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/24 10:50
L101	1	("6208339").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/24 10:50
L102	3	L99 or L100 or L101	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L103	0	L102 & (sound audible)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L104	1	L102 & (portion near4 form)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L105	3	L99 or L100 or L101	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L106	11976	microsoft.as.	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L107	10	microsoft.as. & autocomplet\$4	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L108	9	L107 & form	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L109	0	("2004/0230987").URPN.	USPAT	OR	ON	2006/07/24 10:50
L110	11976	microsoft.as.	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L111	8	L110 & (autocomplete)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L112	1043	microsoft.as. & (dialog same box)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50

## EAST Search History

L113	91	L112 & (form same dynamic\$2)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L114	731469	"39" & complet\$4	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L115	19	L113 & (form same complet\$4)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L116	0	("2004/0230434").URPN.	USPAT	OR	ON	2006/07/24 10:50
L117	18	L115 & (auto\$7)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L118	18	L117 & field\$1	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L119	0	L118 & (auto same complet\$4)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L120	56	autocomplet\$4 & form\$1	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L121	7	L120 & (field\$1 same (dialog popup))	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L122	7	L121 & (field\$1)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L123	7	L122 & (dialog popup)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L124	5	L123 & auto	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L125	3	L124 & (field\$1 same dialog)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L126	0	L125 & (overalp\$3)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L127	0	L125 & (overlap\$3)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L128	1	L125 & (overlap\$4)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L129	0	L125 & (popup)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L130	1	L125 & (lay\$4)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L131	0	("insert\$4sameformat").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/24 10:50
L132	22698	insert\$4 same format	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L133	56	autocomplet\$4 & form\$1	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L134	7	L133 & (field\$1 same (dialog popup))	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50

## EAST Search History

L135	7	L134 & (field\$1)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L136	7	L135 & (dialog popup)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L137	5	L136 & auto	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L138	0	(L137 & (field\$1 same dialog)) & L132	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L139	0	L137 & (insert\$4 same format)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L140	56	autocomplet\$4 & form\$1	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L141	7	L140 & (field\$1 same (dialog popup))	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L142	10	"6589290"	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L143	4	L142 & (insert\$4 same format)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L144	11	L141 or L143	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L145	1	L144 & (double same click)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L146	1	("6208339").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/24 10:50
L147	2	((("6589290") or ("6088700") or ("6208339).pn.")).PN.	US-PGPUB; USPAT	OR	OFF	2006/07/24 10:50
L148	1	("6088700").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/24 10:50
L149	3	L147 or L148 or L146	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L150	0	L149 & (sound audible)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L151	1	("20020138512").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/24 10:50
L152	1	("6529948").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/24 10:50
L153	1	"5363483".pn.	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L154	3	L108 & (dialog same box)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L155	383	(715/505,508).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/24 10:50

## EAST Search History

L156	2	L125 & (highlight\$3)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L157	710	(715/505-508).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/24 10:50
L158	1	("6829707").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/24 10:50
L159	3	L137 & (format )	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L160	1	("6088700").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/24 10:50
L161	1	L149 & (portion near4 form)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L162	28	("6658622" B1 "6651217" B1 "5977969" A "5950193" A "5583981" A "5495565" A "6578141" B2 "6341359" B1 "6338093" B1 "6314415" B1 "6272672" B1 "6263382" B1 "6192470" B1 "6002398" A "5956031" A "5870091" A "5736984" A "5668928" A "5619635" A "5561446" A "5414810" A "5363483" A "5307295" A "4899292" A "6026433" A "6088717" A "6247032" B1 "6658464" B2).pn.	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50

## EAST Search History

L163	99	("5721813" "5640501" "5872555" "5821932" "6108631" "6589290" "5604516" "5668928" "6237004" "4926349" "5265246" "5307295" "5592945" "5685001" "5701499" "5721901" "5732384" "5892512" "5950193" "6081256" "6397378" "6401220" "6473707" "6084585" "5014328" "5014329" "5619635" "5444192" "5561446" "5561528" "5619708" "5627349" "6137488" "6314415" "6252588" "4612635" "5420974" "5502694" "5704029" "6121968" "5815152" "5592602" "5809471" "5963964" "5977969" "6025834" "6124855" "6133915" "6278450" "6272672" "4399503" "4433373" "4500964" "4553202" "4566078" "4615002" "4785408" "4864492" "5239617" "5255386" "5280610" "5287417" "5363483" "5404441" "5414810" "5428782" "5465358" "5524238" "5548759" "5564003" "5583981" "5600756" "5603021" "5606674" "5619710" "5636297" "5680560" "5694601" "5734597" "5736984" "5737535" "5761646" "5784504" "5803500" "5809502" "5812773" "5819089" "5842180" "5864863" "5890174" "5896530" "5913218" "5935251" "5956031" "6012086" "6021409" "6045098" "6061693" "6061693" "6067579").pn.	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L164	8	L106 & (autocomplete)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L165	7	L164 & form	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L166	9	L107 & form	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L167	9	L115 & (form same auto\$7)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L168	18	L115 & (auto\$7)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L169	3	L118 & partial	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L170	56	autocomplet\$4 & form\$1	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L171	7	L120 & (field\$1 same (dialog popup))	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50

## EAST Search History

L172	7	L121 & (field\$1)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L173	7	L122 & (dialog popup)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L174	5	L123 & auto	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L175	3	L124 & (field\$1 same dialog)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L176	12	L120 & (overlap\$4)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L177	3	L125 & (over\$6)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L178	5	L136 & auto	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L179	4	L137 & (insert\$4 )	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L180	10	"6589290"	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L181	4	L180 & (insert\$4 same format)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L182	10	L144 & (display same (partial portion part))	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L183	8	L144 & (display same form)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L184	9	L144 & ( click)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:50
L185	2	((("6589290") or ("6088700") or ("6208339).pn.")).PN.	US-PGPUB; USPAT	OR	OFF	2006/07/24 10:51
L186	3	L147 or L148 or L146	US-PGPUB; USPAT	OR	ON	2006/07/24 10:51
L187	310	L157 & (forms near3 fields)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:51
L188	121	L187 & (forms same interact\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:51
L189	98	L187 & (user\$1 same (forms same interact\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:51

## EAST Search History

L190	36	L189 & (form same template)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:51
L191	17	("612215" "6192380" "6199079" "6208339" "6249284" "6378075" "6297819" "6192380" "6112215"). pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 10:51
L192	219	kronos .as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 11:07
L193	6	192 & (time same keep\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 11:02
L194	95	192 & form	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 11:02
L195	2	192 & (time same attendance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 11:03
L196	2	192 & ( attendance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 11:08
L197	9	192 & (clock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 11:05

## EAST Search History

L198	2	192 & (timekeeper)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 11:08
L199	60	electronic & (timekeeper) & server	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 11:09
L200	28	("6658622" B1 "6651217" B1 "5977969" A "5950193" A "5583981" A "5495565" A "6578141" B2 "6341359" B1 "6338093" B1 "6314415" B1 "6272672" B1 "6263382" B1 "6192470" B1 "6002398" A "5956031" A "5870091" A "5736984" A "5668928" A "5619635" A "5561446" A "5414810" A "5363483" A "5307295" A "4899292" A "6026433" A "6088717" A "6247032" B1 "6658464" B2).pn.	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L201	1	("20020138512").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/24 11:14
L202	1	("6529948").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/24 11:14



## EAST Search History

L203	99	("5721813" "5640501" "5872555" "5821932" "6108631" "6589290" "5604516" "5668928" "6237004" "4926349" "5265246" "5307295" "5592945" "5685001" "5701499" "5721901" "5732384" "5892512" "5950193" "6081256" "6397378" "6401220" "6473707" "6084585" "5014328" "5014329" "5619635" "5444192" "5561446" "5561528" "5619708" "5627349" "6137488" "6314415" "6252588" "4612635" "5420974" "5502694" "5704029" "6121968" "5815152" "5592602" "5809471" "5963964" "5977969" "6025834" "6124855" "6133915" "6278450" "6272672" "4399503" "4433373" "4500964" "4553202" "4566078" "4615002" "4785408" "4864492" "5239617" "5255386" "5280610" "5287417" "5363483" "5404441" "5414810" "5428782" "5465358" "5524238" "5548759" "5564003" "5583981" "5600756" "5603021" "5606674" "5619710" "5636297" "5680560" "5694601" "5734597" "5736984" "5737535" "5761646" "5784504" "5803500" "5809502" "5812773" "5819089" "5842180" "5864863" "5890174" "5896530" "5913218" "5935251" "5956031" "6012086" "6021409" "6045098" "6061693" "6061693" "6067579").pn.	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L204	1	"5363483".pn.	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L205	11976	microsoft.as.	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L206	8	L41 & (autocomplete)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L207	7	L42 & form	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L208	10	microsoft.as. & autocomplet\$4	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L209	3	L45 & (dialog same box)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L210	9	L44 & form	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L211	0	("2004/0230987").URPN.	USPAT	OR	ON	2006/07/24 11:14

## EAST Search History

L212	11976	microsoft.as.	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L213	8	L49 & (autocomplete)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L214	1043	microsoft.as. & (dialog same box)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L215	91	L51 & (form same dynamic\$2)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L216	731469	"39" & complet\$4	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L217	19	L52 & (form same complet\$4)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L218	9	L54 & (form same auto\$7)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L219	18	L54 & (auto\$7)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L220	0	("2004/0230434").URPN.	USPAT	OR	ON	2006/07/24 11:14
L221	18	L56 & field\$1	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L222	3	L58 & partial	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L223	0	L58 & (auto same complet\$4)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L224	56	autocomplet\$4 & form\$1	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L225	7	L61 & (field\$1 same (dialog popup))	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L226	7	L62 & (field\$1)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L227	7	L63 & (dialog popup)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L228	5	L64 & auto	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L229	3	L65 & (field\$1 same dialog)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L230	2	L66 & (highlight\$3)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L231	0	L66 & (overalp\$3)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L232	0	L66 & (overlap\$3)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L233	1	L66 & (overlap\$4)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14

## EAST Search History

L234	12	L61 & (overlap\$4)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L235	0	L66 & (popup)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L236	1	L66 & (lay\$4)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L237	3	L66 & (over\$6)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L238	1	("6829707").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/24 11:14
L239	0	("insert\$4sameformat").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/24 11:14
L240	22698	insert\$4 same format	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L241	56	autocomplet\$4 & form\$1	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L242	7	L78 & (field\$1 same (dialog popup))	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L243	7	L79 & (field\$1)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L244	7	L80 & (dialog popup)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L245	0	(L82 & (field\$1 same dialog)) & L77	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L246	5	L81 & auto	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L247	0	L82 & (insert\$4 same format)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L248	3	L82 & (format )	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L249	4	L82 & (insert\$4 )	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L250	10	"6589290"	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L251	4	L88 & (insert\$4 same format)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L252	56	autocomplet\$4 & form\$1	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L253	7	L90 & (field\$1 same (dialog popup))	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L254	10	"6589290"	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14

## EAST Search History

L255	4	L92 & (insert\$4 same format)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L256	11	L91 or L93	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L257	10	L94 & (display same (partial portion part))	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L258	8	L94 & (display same form)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L259	1	L94 & (double same click)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L260	9	L94 & ( click)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L261	2	((("6589290") or ("6088700") or ("6208339").pn.")).PN.	US-PGPUB; USPAT	OR	OFF	2006/07/24 11:14
L262	1	("6088700").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/24 11:14
L263	1	("6208339").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/24 11:14
L264	0	L102 & (sound audible)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L265	1	L102 & (portion near4 form)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L266	3	L99 or L100 or L101	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L267	11976	microsoft.as.	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L268	10	microsoft.as. & autocomplet\$4	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L269	9	L107 & form	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L270	0	("2004/0230987").URPN.	USPAT	OR	ON	2006/07/24 11:14
L271	11976	microsoft.as.	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L272	8	L110 & (autocomplete)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L273	1043	microsoft.as. & (dialog same box)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L274	91	L112 & (form same dynamic\$2)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L275	731469	"39" & complet\$4	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L276	19	L113 & (form same complet\$4)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14

## EAST Search History

L277	0	("2004/0230434").URPN.	USPAT	OR	ON	2006/07/24 11:14
L278	18	L117 & field\$1	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L279	0	L118 & (auto same complet\$4)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L280	0	L125 & (overalp\$3)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L281	0	L125 & (overlap\$3)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L282	1	L125 & (overlap\$4)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L283	0	L125 & (popup)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L284	1	L125 & (lay\$4)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L285	0	("insert\$4sameformat").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/24 11:14
L286	22698	insert\$4 same format	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L287	56	autocomplet\$4 & form\$1	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L288	7	L133 & (field\$1 same (dialog popup))	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L289	7	L134 & (field\$1)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L290	7	L135 & (dialog popup)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L291	5	L136 & auto	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L292	0	(L137 & (field\$1 same dialog)) & L132	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L293	0	L137 & (insert\$4 same format)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L294	56	autocomplet\$4 & form\$1	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L295	7	L140 & (field\$1 same (dialog popup))	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L296	10	"6589290"	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L297	4	L142 & (insert\$4 same format)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L298	11	L141 or L143	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14

## EAST Search History

L299	1	L144 & (double same click)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L300	1	("6208339").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/24 11:14
L301	3	L147 or L148 or L146	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L302	0	L149 & (sound audible)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L303	1	("20020138512").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/24 11:14
L304	1	("6529948").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/24 11:14
L305	1	"5363483".pn.	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L306	3	L108 & (dialog same box)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L307	383	(715/505,508).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/24 11:14
L308	2	L125 & (highlight\$3)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L309	710	(715/505-508).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/24 11:14
L310	1	("6829707").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/24 11:14
L311	3	L137 & (format )	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L312	1	("6088700").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/24 11:14
L313	1	L149 & (portion near4 form)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L314	28	("6658622" B1 "6651217" B1 "5977969" A "5950193" A "5583981" A "5495565" A "6578141" B2 "6341359" B1 "6338093" B1 "6314415" B1 "6272672" B1 "6263382" B1 "6192470" B1 "6002398" A "5956031" A "5870091" A "5736984" A "5668928" A "5619635" A "5561446" A "5414810" A "5363483" A "5307295" A "4899292" A "6026433" A "6088717" A "6247032" B1 "6658464" B2).pn.	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14

## EAST Search History

L315	99	("5721813" "5640501" "5872555" "5821932" "6108631" "6589290" "5604516" "5668928" "6237004" "4926349" "5265246" "5307295" "5592945" "5685001" "5701499" "5721901" "5732384" "5892512" "5950193" "6081256" "6397378" "6401220" "6473707" "6084585" "5014328" "5014329" "5619635" "5444192" "5561446" "5561528" "5619708" "5627349" "6137488" "6314415" "6252588" "4612635" "5420974" "5502694" "5704029" "6121968" "5815152" "5592602" "5809471" "5963964" "5977969" "6025834" "6124855" "6133915" "6278450" "6272672" "4399503" "4433373" "4500964" "4553202" "4566078" "4615002" "4785408" "4864492" "5239617" "5255386" "5280610" "5287417" "5363483" "5404441" "5414810" "5428782" "5465358" "5524238" "5548759" "5564003" "5583981" "5600756" "5603021" "5606674" "5619710" "5636297" "5680560" "5694601" "5734597" "5736984" "5737535" "5761646" "5784504" "5803500" "5809502" "5812773" "5819089" "5842180" "5864863" "5890174" "5896530" "5913218" "5935251" "5956031" "6012086" "6021409" "6045098" "6061693" "6061693" "6067579").pn.	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L316	8	L106 & (autocomplete)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L317	7	L164 & form	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L318	9	L107 & form	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L319	9	L115 & (form same auto\$7)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L320	18	L115 & (auto\$7)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L321	3	L118 & partial	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L322	56	autocomplet\$4 & form\$1	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L323	7	L120 & (field\$1 same (dialog popup))	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14

## EAST Search History

L324	7	L121 & (field\$1)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L325	7	L122 & (dialog popup)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L326	5	L123 & auto	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L327	3	L124 & (field\$1 same dialog)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L328	12	L120 & (overlap\$4)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L329	3	L125 & (over\$6)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L330	5	L136 & auto	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L331	4	L137 & (insert\$4 )	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L332	10	"6589290"	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L333	4	L180 & (insert\$4 same format)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L334	10	L144 & (display same (partial portion part))	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L335	8	L144 & (display same form)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L336	9	L144 & ( click)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L337	2	((("6589290") or ("6088700") or ("6208339).pn.")).PN.	US-PGPUB; USPAT	OR	OFF	2006/07/24 11:14
L338	3	L147 or L148 or L146	US-PGPUB; USPAT	OR	ON	2006/07/24 11:14
L339	310	L157 & (forms near3 fields)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 11:14
L340	121	L187 & (forms same interact\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 11:14
L341	98	L187 & (user\$1 same (forms same interact\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 11:14



## EAST Search History

L342	36	L189 & (form same template)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 11:14
L343	17	("612215" "6192380" "6199079" "6208339" "6249284" "6378075" "6297819" "6192380" "6112215"). pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/24 11:14


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### 1 [Level II technical support in a distributed computing environment](#)



Tim Leehane

September 1996 **Proceedings of the 24th annual ACM SIGUCCS conference on User services**

**Publisher:** ACM Press

Full text available: [pdf\(5.73 MB\)](#)

Additional Information: [full citation](#), [references](#), [index terms](#)

### 2 [Information Systems in Perspective](#)



J. D. Aron

December 1969 **ACM Computing Surveys (CSUR)**, Volume 1 Issue 4

**Publisher:** ACM Press

Full text available: [pdf\(2.22 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

### 3 [Information systems outsourcing: a survey and analysis of the literature](#)



Jens Dibbern, Tim Goles, Rudy Hirschheim, Bandula Jayatilaka

November 2004 **ACM SIGMIS Database**, Volume 35 Issue 4

**Publisher:** ACM Press

Full text available: [pdf\(1.51 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#)

In the last fifteen years, academic research on information systems (IS) outsourcing has evolve the field of outsourcing research has grown so fast that there has been scant opportunity for the community to take a collective breath, and complete a global assessment of research activities seeks to address this need by exploring and synthesizing the academic literature on IS outsourcing roadmap of the IS outsourcing literature, highlight ...

**Keywords:** determinants, literature review, outcomes, outsourcing, relationships, research app theoretical foundations

### 4 [Paper copy to online: the push to get employees into the 21st century](#)



Kristina A. Cunningham, Tammy Hohlt

October 2004 **Proceedings of the 32nd annual ACM SIGUCCS conference on User services**

**Publisher:** ACM Press

Full text available: [pdf\(167.74 KB\)](#)


Additional Information: [full citation](#), [abstract](#), [index terms](#)

With so many students working in the Computing Sites in this technical age, why are so many c push paper copies of anything? In an attempt to move from the historical paper-pushing for em personal data, scheduling and inventory, the Information and Access Technology (IAT) Services


at the University of Missouri-Columbia has created CSIS, Computing Sites Information System. shifts/schedules, clock-in/out, timesheets, site a ...

**Keywords:** administration, employees, inventory, lab management, scheduling, student management, technology, web database

5 The costs of personal computing in a complex organization: a comparative study

 Sonia Nayle, Walt Scacchi  
December 1986 **ACM SIGOIS Bulletin , Proceedings of the third ACM-SIGOIS conference on information systems**, Volume 7 Issue 2-3


**Publisher:** ACM Press

Full text available:  pdf(1.30 MB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The widespread adoption of personal computers (PCs) may be attributable to their apparent low operational costs. However, significant procedural costs arise in fitting a PC application into a work setting. An investigation of the adoption and use of PCs in several departments of a complex organization reveals a number of unanticipated costs. These indirect, deferred, and governance costs are chiefly borne by the organization responsible for acquiring PCs. These costs represent ...

6 Special issue on computer science curricula: Curriculum recommendations and guidelines for community and junior college career program in computer programming: a working paper for Computing Machinery committee on curriculum in computer sciences by the sub committee on community and junior college curriculum

 Joyce Currie Little, Richard H. Austing, Harice Seeds, John Maniotes, Gerald L. Engel  
June 1977 **ACM SIGCSE Bulletin**, Volume 9 Issue 2

**Publisher:** ACM Press


Full text available:  pdf(1.84 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)


Curriculum recommendations are given for a two year Associate Degree program to prepare computer programmers for jobs. The program is specifically directed toward the education of the computer works in conjunction with a systems analyst in the programming environment usually found in a job shop. Graduates should be qualified to do entry-level applications programming to support business administrative, and organizational information processing functions of industry ...

**Keywords:** computer, computer science, computer technology, curriculum, data processing, educational programs, undergraduate programs

7 The Dictionary Driven Facility - the effect of generalized software on programmer productivity

 Larry Mulligan, Patricia Panzi  
June 1981 **Proceedings of the eighteenth annual computer personnel research conference**

**Publisher:** ACM Press

Full text available:  pdf(1.24 MB)


Additional Information: [full citation](#), [abstract](#), [index terms](#)

DDF - The Dictionary Driven Facility - is an on-line data processing environment consisting of an editor and two interpretive transaction processors. It is supported by a non-procedural language which allows application programmers in defining transactions, a program to construct data base record descriptions for defining data records, and four utility programs which allow the manipulation and reporting of the dictionary. To understand DDF, ...

8 The costs of personal computing in an educational institution: a case study

 Sonia Nayle, Walt Scacchi  
January 1986 **ACM SIGCUE Outlook**, Volume 18 Issue 2-4

**Publisher:** ACM Press

Full text available:  pdf(1.80 MB)

Additional Information: [full citation](#), [abstract](#), [references](#)

The widespread adoption of personal computers (PCs) may be attributable to their low purchase costs. However, significant procedural costs arise in fitting a PC application into a work setting. An investigation of the adoption and use of PCs in several departments of a complex organization reveals a large number of unanticipated costs. These indirect, deferred, and governance costs are chiefly borne by the organization responsible for acquiring PCs. These costs represent ...

unanticipated costs. These indirect, deferred, and governance costs are chiefly borne by users acquiring PCs. The costs represent demands for user ...

## 9 Risks to the public



P. G. Neumann

October 1990 **ACM SIGSOFT Software Engineering Notes**, Volume 15 Issue 5

**Publisher:** ACM Press

Full text available: [pdf\(1.56 MB\)](#)

Additional Information: [full citation](#), [index terms](#)

## 10 Cases from the field: Where am I and who am I?: issues in collaborative technical help



Michael Twidale, Karen Ruhleder

November 2004 **Proceedings of the 2004 ACM conference on Computer supported cooperat**

**Publisher:** ACM Press

Full text available: [pdf\(296.47 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In a study of collaborative help-giving within several organizations settings, we identified two factors of bewilderment that we explore further in this paper. In one case, the user is confused about where or other resources are within a larger technical infrastructure (Where am I?). In the second case, we ensure which login is needed and which actions are allowed (Who am I?). We believe that these are important implications for the design of in ...

**Keywords:** CSCW, collaborative help-giving, informal learning

## 11 Deriving security requirements from crosscutting threat descriptions



Charles B. Haley, Robin C. Laney, Bashar Nuseibeh

March 2004 **Proceedings of the 3rd international conference on Aspect-oriented software**

**Publisher:** ACM Press

Full text available: [pdf\(1.10 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

It is generally accepted that early determination of the stakeholder requirements assists in the design of systems that better meet the needs of those stakeholders. General security requirements frustrate because it is difficult to determine how they affect the functional requirements of the system. The way of how representing threats as crosscutting concerns aids in determining the effect of security requirements on functional requirements. Assets (objects that have ...

**Keywords:** assets, problem frames, security requirements, threats

## 12 Projecting demand for electronic communications in automated offices



Stephen A. Smith, Robert I. Benjamin

July 1983 **ACM Transactions on Information Systems (TOIS)**, Volume 1 Issue 3

**Publisher:** ACM Press

Full text available: [pdf\(1.24 MB\)](#)

Additional Information: [full citation](#), [references](#), [index terms](#)

## 13 A state-transition approach to application service provider client-vendor relationship development



Yurong Yao, Lisa Murphy

August 2005 **ACM SIGMIS Database**, Volume 36 Issue 3

**Publisher:** ACM Press

Full text available: [pdf\(360.96 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Application Services Providers (ASPs) exploit the economics of delivering commercial off-the-shelf services over the Internet to many dispersed users. This form of outsourcing differs from traditional ones on the basis of vendors and clients, contract terms, customization, and functionality. We develop a state-transition approach to client-vendor relationship development reflecting that shorter contract terms affect the nature, timing, and frequency of interactions ASP vendors have with their ...




**Keywords:** ASP, IT contracts, capability, conflict resolution, credibility, dependence, expectatio  
outsourcing, relationship development, trust

14 A micro-organizational model for supporting knowledge migration

 F. H. Lochovsky, C. C. Woo, L. J. Williams  
March 1990 **ACM SIGOIS Bulletin , Proceedings of the ACM SIGOIS and IEEE CS TC-OA co**  
**Office information systems**, Volume 11 Issue 2-3

**Publisher:** ACM Press

Full text available:  [pdf\(1.02 MB\)](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [citing](#), [index](#)

One of an organization's assets is the knowledge it has for carrying out its activities in an accep  
However, due to the constantly changing environment in which it operates, its knowledge must  
it to survive and to stay competitive. For this reason, it is inappropriate to hard-code organizati  
into a computer-based organizational support system. Supporting the evolution of organization  
general, is a very difficult problem because the ...

15 Illustrative risks to the public in the use of computer systems and related technology

 Peter G. Neumann  
January 1996 **ACM SIGSOFT Software Engineering Notes**, Volume 21 Issue 1

**Publisher:** ACM Press


Full text available:  [pdf\(2.54 MB\)](#)

Additional Information: [full citation](#)

16 Evolution of Business System Analysis Techniques

 J. Daniel Couger  
September 1973 **ACM Computing Surveys (CSUR)**, Volume 5 Issue 3

**Publisher:** ACM Press


Full text available:  [pdf\(2.02 MB\)](#)

Additional Information: [full citation](#), [references](#), [citing](#), [index terms](#)

17 Indian central civil service pension rules: a case study in logic programming applied to regi

 M. J. Sergot, A. S. Kamble, K. K. Bajaj  
May 1991 **Proceedings of the 3rd international conference on Artificial intelligence and I:**

**Publisher:** ACM Press


Full text available:  [pdf\(1.26 MB\)](#)

Additional Information: [full citation](#), [references](#), [index terms](#)

18 Risks to the public in computers and related systems

 Peter G. Neumann  
January 1990 **ACM SIGSOFT Software Engineering Notes**, Volume 15 Issue 1

**Publisher:** ACM Press

Full text available:  [pdf\(2.11 MB\)](#)

Additional Information: [full citation](#)

19 A bull's eye view of management and engineering information systems

 Anthony G. Oettinger  
January 1964 **Proceedings of the 1964 19th ACM national conference**

**Publisher:** ACM Press

Full text available:  [pdf\(966.35 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citing](#), [index](#)

Prophets of doom are apt to misquote Vannevar Bush's statement that -and-ldquo;The investig  
by the findings and conclusions of thousands of other workers -and-mdash; many of which he c  
grasp, much less to remember, as they appear.-and-rdquo; (3) They then extrapolate to such s  
as -and-ldquo;The enormous gap in our capacity to store and retrieve information and at the sa

demands and responsibilities in our society has crea ...

20 Programming languages: past, present, and future: sixteen prominent computer scientiest



Peter Trott

January 1997 **ACM SIGPLAN Notices**, Volume 32 Issue 1

**Publisher:** ACM Press

Full text available: [pdf\(4.67 MB\)](#)

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**21** [Installing campus local area networks and private telephone systems: lessons learned at t](#)



Steven Carmody, Frederick L. Sweeney

April 1985 **ACM SIGUCCS Newsletter**, Volume 15 Issue 1

**Publisher:** ACM Press

**25** The impact of electronics on humans and their work environment



Panayotis Eric DeVaris

March 1982 **Proceedings of the 1982 conference on Human factors in computing systems**

**Publisher:** ACM Press

Full text available: [pdf\(489.93 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

The American industry experiences today the "Information Revolution", a phenomenon which at development of modern technology, and which follows a universal movement toward great science and a tremendous increase in information processing needs. The backbone of this "Information computer. As a result we find that the computer, so far restricted in the backstage of a secluded expands rapidly onto every wo ...

**26** History of the TDS medical information system



M. H. Hodge

December 1987 **Proceedings of ACM conference on History of medical informatics**

**Publisher:** ACM Press

Full text available: [pdf\(1.04 MB\)](#)

Additional Information: [full citation](#), [references](#), [index terms](#)

**27** Tutorial: reading and reviewing the common schema for electrical design and analysis



C. H. Parks

October 1987 **Proceedings of the 24th ACM/IEEE conference on Design automation**

**Publisher:** ACM Press

Full text available: [pdf\(575.38 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This tutorial introduces the language, tools, and methods used to develop an information model Team. The model identifies the data and data relationships necessary to define electrical products now required for consensus by technical experts who are also familiar with this subject matter. used to evaluate data transfer formats and establish their mappings without compromising product structures.

**28** Computer-based systems: a discussion of their application to managerial decision-support



Francis A. Wilson, John N. Wilson, Anne M. Smith

June 1993 **Proceedings of the 1993 conference on Computer personnel research**

**Publisher:** ACM Press

Full text available: [pdf\(1.08 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index](#)

Much of the current work into developing computer-based systems (CBS) as aids for managers within organizations, still explains system failures as a psychological or organizational problem, inadequate "acceptance" of the CBS by the intended user. From this, the conclusion is drawn that behavioural science research on user psychology can save the CBS-managerial decision-support the underlying design ideal of ...

**29** Charting a knowledge base solution: empowering student-employees and delivering expert



Kevin Davis

November 2002 **Proceedings of the 30th annual ACM SIGUCCS conference on User services**

**Publisher:** ACM Press

Full text available: [pdf\(189.83 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

This paper describes the creation of Eureka, a knowledge base solution developed in 2000 at H place winner in the Student Employee Web Site category at SIGUCCS 2001. Our methodology it was to focus on creating a central core of knowledge: expert answers to common questions, etc common-denominator format accessible across a variety of channels. This core set of knowledge organization to maintain full control over a set of official answers ...

**Keywords:** e-mail autoresponder, help desk, knowledge management, student employee



Bringing electronic mail to the masses phase I: Eudora

Lisa H. Berg, Mike W. Miller

December 1992 **Proceedings of the 20th annual ACM SIGUCCS conference on User services**

**Publisher:** ACM Press

Full text available: [pdf\(691.25 KB\)](#)

Additional Information: [full citation](#), [index terms](#)

31 A survey of approaches to automatic schema matching

Erhard Rahm, Philip A. Bernstein

December 2001 **The VLDB Journal — The International Journal on Very Large Data Bases**, v

**Publisher:** Springer-Verlag New York, Inc.

Full text available: [pdf\(196.22 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Schema matching is a basic problem in many database application domains, such as data integration, data warehousing, and semantic query processing. In current implementations, schema matching is performed manually, which has significant limitations. On the other hand, previous research has presented many techniques to achieve a partial automation of the match operation for specific application domains. This paper presents a taxonomy that covers many of these existing approaches ...

**Keywords:** Graph matching, Machine learning, Model management, Schema integration, Schema matching

32 Penn State's "Lab Manager"



Kathy Mayberry, Joe Leluga

September 1996 **Proceedings of the 24th annual ACM SIGUCCS conference on User services**

**Publisher:** ACM Press

Full text available: [pdf\(349.21 KB\)](#)

Additional Information: [full citation](#), [index terms](#)

33 VAR analysis: a framework for justifying strategic information systems projects



Ting-Peng Liang, Ming-Je Tang

March 1992 **ACM SIGMIS Database**, Volume 23 Issue 1

**Publisher:** ACM Press

Full text available: [pdf\(941.66 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

Recently, strategic implications of information technology have attracted much attention. Many applications have been analyzed and frameworks have been developed to help firms identify opportunities for applying strategic information systems (SIS). However, little research has studied how these strategic opportunities can be evaluated. Previous applications of SIS have indicated that competitive advantages are guaranteed and risks always exist. Hence, for a firm pursuing strategic information systems, it is important to have a framework for justifying strategic information systems projects ...

34 Management Information System simulation models: A conceptual approach



Stanley R. Weingart

August 1969 **Proceedings of the 1969 24th national conference**

**Publisher:** ACM Press

Full text available: [pdf\(873.04 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Management Information Systems (MIS) provide management with information necessary for decision making in all areas of the firm. This paper presents a conceptual approach to construction of MIS simulation models that may be used for efficient structuring of real world systems. The approach used herein is a simple system of flow diagramming the functional elements of the MIS. From the flow diagrams, a set of equations is developed to provide a model structure for simulation ...

35 Student employment system: the pros and cons of building a homegrown application and using commercial programmers



Andrew Stutzman

October 2004 **Proceedings of the 32nd annual ACM SIGUCCS conference on User services**

**Publisher:** ACM Press

Full text available:  [pdf\(147.42 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The College of New Jersey has recently completed an enterprise application that controls job po application and employment contracts for on-campus jobs. The departments of Enterprise Appli Services collaborated together to design and develop the Student Employment System with hel programmers in our Computer Science department. This paper will review the functions of the s the pros and cons of building homegrown software and using ...

**Keywords:** databases, oracle, perl, student employment, student workers

**36** Software: recommendations for an export control policy



Charles L. Gold, Seymour E. Goodman, Benjamin G. Walker

April 1980 **Communications of the ACM**, Volume 23 Issue 4

**Publisher:** ACM Press

Full text available:  [pdf\(967.04 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

The control of computer technology exports, for both hardware and software, is being actively c government and industry circles. At the request of the U.S. Department of Defense, the Compu Technology Expert Group (CNCTEG) was established with the support of the Electronics Industri the Computer Business Equipment Manufacturers Association. The task of the CNCTEG was to a technologies associated with computer networks, and to make ...

**Keywords:** critical technologies, export controls, military applications of computers, software, 1


**37** Research sessions: potpourri: Executing SQL over encrypted data in the database-service



Hakan Hacigümüş, Bala Iyer, Chen Li, Sharad Mehrotra

June 2002 **Proceedings of the 2002 ACM SIGMOD international conference on Managem SIGMOD '02**

**Publisher:** ACM Press

Full text available:  [pdf\(1.25 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index](#)

Rapid advances in networking and Internet technologies have fueled the emergence of the "soft model for enterprise computing. Successful examples of commercially viable software services i spreadsheet, electronic mail services, general storage services, disaster protection services. "D Service" model provides users power to create, store, modify, and retrieve data from anywhere long as they have access to the Internet. It introduces sev ...


**38** Growing simplicity: a task-based approach to containing complexity



Jason Cassee, Meghan R. Ede, Todd Kemp

May 1995 **Conference companion on Human factors in computing systems**

**Publisher:** ACM Press


Full text available:  [pdf\(260.29 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

**39** "Offshoring" of IT services: the impact on the US economy

Kalyan Chakraborty, William Remington

April 2005 **Journal of Computing Sciences in Colleges**, Volume 20 Issue 4

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Offshore outsourcing is not a new phenomenon in the U.S. Over the last two decades outsourci industry destroyed 2 million blue color jobs in the U.S. but created 43 million white color jobs ir areas. This has raised the output in manufacturing by raising the labor productivity by 3.5 perce has increased the standard of living of the American people (Bailey and Farrell, 2004). The curr those white color jobs (high tech IT jobs) o ...

40 A method to simplify filling data entry forms



C. S. Sankar

December 1984 **ACM SIGDOC Asterisk Journal of Computer Documentation**, Volume 10 Issue 4

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Data entry forms are a vital part of information systems in a company or in the federal government. Data Corporation [1] has projected that, while 44% of today's clerical force has some kind of electronic typewriter, or word processor, by 1986 the ratio of these devices to clerical personnel will be 1:1. Most of the clerical personnel will be filling data entry forms, and these data will appear on video.

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